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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/763,597	07/02/2001	Charles Love	440431	9284	
23548 7590 . 10/01/2004 LEYDIG VOIT & MAYER, LTD 700 THIRTEENTH ST. NW SUITE 300 WASHINGTON, DC 20005-3960		EXAMINER			
			MENON, KE	MENON, KRISHNAN S	
			ART UNIT	PAPER NUMBER	
			1723		
			DATE MAILED: 10/01/2004	DATE MAILED: 10/01/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

			(1			
Office Action Summary		Application No.	Applicant(s)			
		09/763,597	LOVE ET AL.			
		Examiner	Art Unit			
	TI MANUNO DATE COL	Krishnan S Menon	1723			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the o	orrespondence address			
THE - Exte after - If the - If NO - Failt Any	MAILING DATE OF THIS COMMUNICATION. Insigns of time may be available under the provisions of 37 CFR 1.13 In SIX (6) MONTHS from the mailing date of this communication. In six (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period we use to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tir within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed s will be considered timely. the mailing date of this communication.			
Status	· · · · · · · · · · · · · · · · · · ·					
	The state of the ments is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1 and 14-16</u> is/are pending in the applied 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1 and 14-16</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	n from consideration.				
Applicati	ion Papers	•				
10)	The specification is objected to by the Examiner. The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examiner.	pted or b) objected to by the E rawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
	ınder 35 U.S.C. § 119					
12) a)[Acknowledgment is made of a claim for foreign p All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau see the attached detailed Office action for a list of	have been received. have been received in Application by documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage			
A	*					
2) 🔲 Notice 3) 🔲 Inform	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takahar et al (US 5,147,917) in view of Ohta et al (US 5,198,167).

Claim 1: Takahar teaches a method of forming a porous medium comprising applying pressure to the medium precursor including inorganic particles and then sinter bonding the particles together to form the porous medium having porosity 50% or more (abstract; examples).

Takahar does not teach applying pressure to a first portion and applying pressure separately to a second portion in the molding process. Ohta teaches applying pressure to a first portion and separately applying pressure to a second portion in a molding process as claimed in col 13 line 56 – col 14 line 27. It would be obvious to one of ordinary skill in the art at the time of invention to use the teaching of Ohta in the teaching of Takahar for the molding process because Takahar does not teach the specifics of the molding process and suggests optimizing the molding process to suit the needs (see col 3 lines 45-62), and to obtain uniformity and desired fiber/particle orientation as taught by Ohta.

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Claims 14-16: first die and second die are taught by Ohta, and they impart predetermined characteristics to respective portions – see the referenced paragraphs. Same compression ratios and same particle density are also obtained: referenced paragraphs; and also optimization as suggested by Takahar in examples.

Response to Arguments

Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

This action is in response to an RCE and is made non-final because of the new grounds for rejection introduced because of the newly added claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krishnan S Menon whose telephone number is 571-272-1143. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda L Walker can be reached on 571-272-1151. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Krishnan Menon Patent Examiner

W. L. WALKER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700